

# SEQUENCE LISTING

<110> Cohen, Patricia T.W.  
 Armstrong, Christopher G.  
 Doherty, Martin J.

<120> Protein Domains in the Hepatic Glycogen-Targetting  
 Subunit of Protein Phosphatase 1 and Methods of Making  
 and Using The Same

<130> 002.00140

<140> US 09/763,848  
 <141> 2001-09-26

<150> PCT/GB99/02761  
 <151> 1999-08-19

<150> GB 9818650.5  
 <151> 1998-08-27

<160> 12

<170> PatentIn Ver. 2.1

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 <212> PRT  
 <213> Rattus sp.

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 Arg Val Ser Phe  
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Gly Leu

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<212> PRT

<213> Rabbit

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Val Lys Val Gln Asn Leu Ala Phe Glu Lys Val Val Lys Ile Arg Met  
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Thr Phe Asp Thr Trp Lys Ser Phe Thr Asp Phe Pro Cys Gln Tyr Val  
35 40 45

Lys Asp Thr Tyr Ala Gly Ser Asp Arg Asp Thr Phe Ser Phe Asp Ile  
50 55 60

Ser Leu Pro Glu Lys Ile Gln Ser Tyr Glu Arg Met Glu Phe Ala Val  
65 70 75 80

Cys Tyr Glu Cys Asn Gly Gln Ser Tyr Trp Asp Ser Asn Lys Gly Lys  
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Asn Tyr Arg Ile  
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Val Lys Val Lys Asn Val Ser Phe Glu Lys Lys Val Gln Ile Arg Ile  
20 25 30

Thr Phe Asp Ser Trp Lys Asn Tyr Thr Asp Val Asp Cys Val Tyr Met  
35 40 45

Lys Asn Val Tyr Gly Gly Thr Asp Ser Asp Thr Phe Ser Phe Ala Ile  
50 55 60

Asp Leu Pro Pro Val Ile Pro Thr Glu Gln Lys Ile Glu Phe Cys Ile  
65 70 75 80

Ser Tyr His Ala Asn Gly Gln Val Phe Trp Asp Asn Asn Asp Gly Gln  
85 90 95

Asn Tyr Arg Ile  
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Val Arg Val Cys Asn Val Ala Phe Glu Lys Gln Val Ala Val Arg Tyr

20

25

30

Thr Phe Ser Gly Trp Arg Ser Thr His Glu Ala Val Ala Arg Trp Arg  
 35 40 45

Gly Pro Ala Gly Pro Glu Gly Thr Glu Asp Val Phe Thr Phe Gly Phe  
 50 55 60

Pro Val Pro Pro Phe Leu Leu Glu Leu Gly Ser Arg Val His Phe Ala  
 65 70 75 80

Val Arg Tyr Gln Val Ala Gly Ala Glu Tyr Trp Asp Asn Asn Asp His  
 85 90 95

Arg Asp Tyr Ser Leu  
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&lt;210&gt; 9

&lt;211&gt; 102

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 9

Ala Ile Leu Glu Ser Thr Glu Ser Leu Leu Gly Ser Thr Ser Ile Lys  
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Gly Ile Ile Arg Val Leu Asn Val Ser Phe Glu Lys Leu Val Tyr Val  
 20 25 30

Arg Met Ser Leu Asp Asp Trp Gln Thr His Tyr Asp Ile Leu Ala Glu  
 35 40 45

Tyr Val Pro Asn Ser Cys Asp Gly Glu Thr Asp Gln Phe Ser Phe Lys  
 50 55 60

Ile Val Leu Val Pro Pro Tyr Gln Lys Asp Gly Ser Lys Val Glu Phe  
 65 70 75 80

Cys Ile Arg Tyr Glu Thr Ser Val Gly Thr Phe Trp Ser Asn Asn Asn  
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Gly Thr Asn Tyr Thr Phe  
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<212> PRT

<213> *Saccharomyces cerevisiae*

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Val Lys Leu His Ser Leu Thr Gln Leu Gly Asp Asp Ser Ser Lys Ile  
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Thr Gly Leu Val Tyr Val Lys Asn Leu Ser Phe Glu Lys Tyr Leu Glu  
20 25 30

Ile Lys Phe Thr Phe Asn Ser Trp Arg Asp Ile His Tyr Val Thr Ala  
35 40 45

Asn Phe Asn Arg Thr Ile Asn Ser Asn Val Asp Glu Phe Lys Phe Thr  
50 55 60

Ile Asp Leu Asn Ser Leu Lys Tyr Ile Leu Leu Ile Lys Arg Ile Ile  
65 70 75 80

Thr Met Glu Lys Asn Thr Ser Ser Cys Pro Leu Asn Ile Glu Leu Cys  
85 90 95

Cys Arg Tyr Asp Val Asn Asn Glu Thr Tyr Tyr Asp Asn Asn Asn Gly  
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Lys Asn Tyr His Leu  
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<213> *Rhizopus oryzae*

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20 25 30

Ala Asp Gly Ser Asp Asn Trp Asn Asn Asn Gly Asn Thr Ile Ala Ala  
35 40 45

Ser Tyr Ser Ala Pro Ile Ser Gly Ser Asn Tyr Glu Tyr Trp Thr Phe  
50 55 60

Ser Ala Ser Ile Asn Gly Ile Lys Glu Phe Tyr Ile Lys Tyr Glu Val

65

70

75

80

Ser Gly Lys Thr Tyr Tyr Asp Asn Asn Asn Ser Ala Asn Tyr Gln Val  
85 90 95

&lt;210&gt; 12

&lt;211&gt; 40

&lt;212&gt; PRT

&lt;213&gt; Rabbit

&lt;400&gt; 12

Arg His Leu Gln Ile Ile Tyr Glu Ile Asn Gln Arg Phe Leu Asn Arg  
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Val Ala Ala Ala Phe Pro Gly Asp Val Asp Arg Leu Arg Arg Met Ser  
20 25 30

Leu Val Glu Glu Gly Ala Cys Lys  
35 40